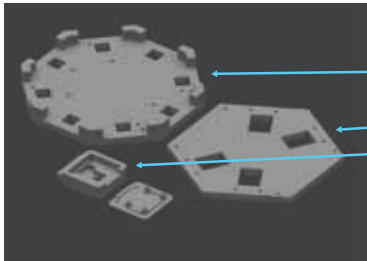# TOOLS AND PARTS LIST

TOOLS

- **Soldering Iron**
- **Phillips head screwdriver**
- **Wire Strippers/cutters**
- **Dupont connector crimper**
- **3mm Allen key**
- **7/64in Allen key**
- **5/32in Allen key**

3D Printed Parts

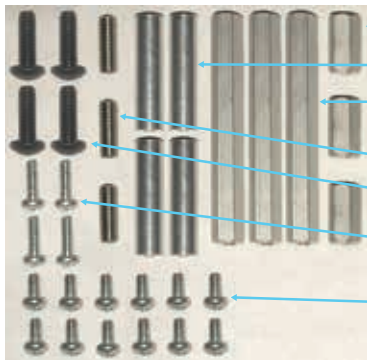|		
- **Sensor Holder**	x	1
- **Chassis**	x	1
- **Camera Front**	x	1
- **Camera Back**	x	1

HARDWARE AND WIRES

SPACERS

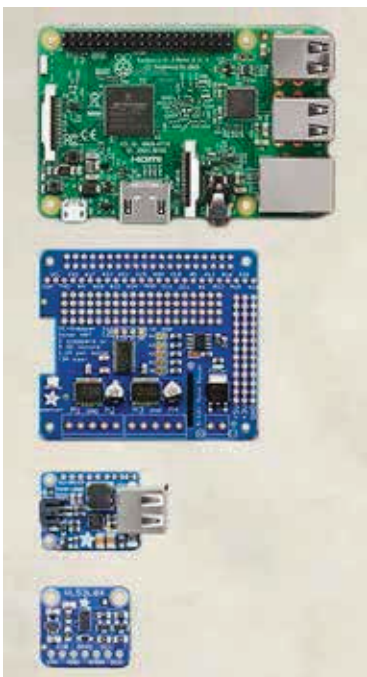|		
- **1/2in**	x	3
- **1in**	x	4
- **2in**	x	3

SCREWS

- **1/2in x 5/32in set**	x	3
- **1/2in x 3/32in hex**	x	3
- **1/2in x 7/64in**	x	4
- **1/4in x 7/64in**	x	12

WIRING

- **F/F Dupont Wire 7in**	x	22
- **Fem Dupont Connectors**	x	26
- **Micro USB to USB 6in**	x	1
- **20 Gauge Wire**		
- **Shrink Tubing**		

Components

- **Raspberry Pi 3**	x	1
- **Camera V2**	x	1
- **MotorHat**	x	1
- **Powerboost 1000**	x	1
- **6V Motors**	x	4
- **Motor Brackets** (2 screws and nuts inc)	x	4
- **Omni Wheel Assem.** (Hubs and screws inc)	x	4
- **VL53L0X**	x	4
- **Battery Holder** (2 1/4in flathead screws included)	x	1